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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/159,503	09/24/1998	B. REILLY BARRY	COS-97-101	5202

25537 7590 04/28/2004

WORLD COM, INC.  
TECHNOLOGY LAW DEPARTMENT  
1133 19TH STREET NW  
WASHINGTON, DC 20036

EXAMINER

BACKER, FIRMIN

ART UNIT	PAPER NUMBER
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3621

DATE MAILED: 04/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/159,503

Applicant(s)

BARRY ET AL.

Examiner

Firmin Backer

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*ML*

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 05 February 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1,3-5,7-15,56-60 and 96 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-5,7-15,56-60 and 96 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

***Response to Arguments***

1. In view of the supplemental appeal brief filed on February 5<sup>th</sup>, 2004, PROSECUTION IS HEREBY REOPENED. An action is set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) request reinstatement of the appeal.

If reinstatement of the appeal is requested, such request must be accompanied by a supplemental appeal brief, but no new amendments, affidavits (37 CFR 1.130, 1.131 or 1.132) or other evidence are permitted. See 37 CFR 1.193(b)(2).

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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3. Claims 1, 3-5, 7-15, 56-60 and 96 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dunn et al. (US PATENT. NO. 6,118,780) in view of Dustan et al (U.S. PATENT NO. 5,884,312).

4. As per claims 1 and 96, Dunn et al teach an integrated and secure system (*communication network, figs 1, 2, and 3A*) for conducting business (*transmission of voice and data*) over the public Internet (*network*) by enabling (*enables*) a customer (*user, 34*) of an enterprise communications network to command and control the customer's switched (*to select*) communications connections within the network over the public Internet and to view the results of any changes in the customer's connections over the public Internet (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*), the system comprising the plurality of system resources (*information service provider, 28*) including a network manager (*modem, 30*) which manages the routing (*routing*) of the customer's traffic over the communications network, and a view application (*carrier, 12*) to review the network traffic, the network manager and the view application responsive to proxy requests from the dispatch server to enable the customer to command and control switched voice traffic resources and switched data traffic resources provided by the enterprise to the customer (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*). Dunn et al fail to teach an object oriented protocol for enabling encrypted interactive communications between the system and the customer over the public Internet, the protocol invoked within the customers web browser to support encryption, customer identification, authentication and network entitlements, at least one secure web server for managing secure customer sessions over the public Internet, the secure server providing

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session management for the customer connection, the session management including customer identification, validation, entitlements and encryption; and at least one dispatch server for communicating with the secure web server and a plurality of system resources, the dispatch server providing verification of system access and proxy generation for the system resources after the customer's entitlements have been verified. However, Dustan et al teach an object oriented protocol for enabling encrypted interactive communications between the system and the customer over the public Internet, the protocol invoked within the customers web browser to support encryption, customer identification, authentication and network entitlements, at least one secure web server for managing secure customer sessions over the public Internet, the secure server providing session management for the customer connection, the session management including customer identification, validation, entitlements and encryption; and at least one dispatch server for communicating with the secure web server and a plurality of system resources, the dispatch server providing verification of system access and proxy generation for the system resources after the customer's entitlements have been verified (*see abstract, column 7 line 64-10 line 29*). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the inventive concept of Dunn et al to include Dustan et al's object oriented protocol for enabling encrypted interactive communications between the system and the customer over the public Internet, the protocol invoked within the customers web browser to support encryption, customer identification, authentication and network entitlements, at least one secure web server for managing secure customer sessions over the public Internet, the secure server providing session management for the customer connection, the session management including customer

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identification, validation, entitlements and encryption; and at least one dispatch server for communicating with the secure web server and a plurality of system resources, the dispatch server providing verification of system access and proxy generation for the system resources after the customer's entitlements have been verified because this would have provide a system with capability to securely access and transmit information from disparate data sources while performing session management including timing session, logging requests and activity, and verifying a session identification number each time a user makes a request using an encrypted session identification number.

5. As per claims 3, Dunn et al teach an integrated and secure system wherein the switched voice traffic resources include switched toll free voice traffic resources and the network manager includes a toll free network manager application to command and control the routing of switched toll free voice traffic (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

6. As per claims 4, Dunn et al teach an integrated and secure system wherein the switched voice traffic resources include switched call center voice traffic resources and the network manager includes a call manager application to command and control the routing of switched voice traffic between call centers (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

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7. As per claims 5, Dunn et al teach an integrated and secure system wherein the network manager includes an outbound network manager to command and control switched toll traffic (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

8. As per claims 7, Dunn et al teach an integrated and secure system wherein the view application includes a reporter for generating reports on switched voice communications in the network (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

9. As per claims 8, Dunn et al teach an integrated and secure system wherein the reporter for generating reports on the switched voice communications in the network includes a real time reporter for generating reports on network traffic in near real time (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

10. As per claims 9, Dunn et al teach an integrated and secure system wherein the reporter for generating reports on the switched voice communications in the network includes a real time reporter for generating reports on outbound network traffic in near real time (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

11. As per claims 10, Dunn et al teach an integrated and secure system wherein the reporter for generating reports on the switched voice communications in the network includes a reporter for generating history reports on the switched voice communications occurring during

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preselected periods of time (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

12. As per claims 11, Dunn et al teach an integrated and secure system wherein the reporter for generating reports on the switched voice communications in the network includes a report manager application for enabling a customer to generate reports for a plurality of switched voice communication applications and an in-box manager application for communicating the reports to the customer (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

13. As per claims 12, Dunn et al teach an integrated and secure system wherein the reporter for generating reports on the switched voice communications in the network includes a priced call application for enabling a customer to generate priced reports and invoices for a plurality of switched voice communication applications (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

14. As per claims 13, Dunn et al teach an integrated and secure system wherein the customer's switched communications connections includes switched data traffic connections and the view application includes a broadband view application for generating reports on data relating to switched data traffic (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).



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15. As per claims 14, Dunn et al teach an integrated and secure system wherein the system includes an in-box application for storing and forwarding reports to the customer on data relating to the customer's switched voice and data traffic (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

16. As per claims 15, Dunn et al teach an integrated and secure system wherein the system includes an event monitor application for storing and forwarding alarms generated with respect to the customer's traffic over the communications network (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

17. As per claims 56, Dunn et al teach an integrated and secure system (*communication network, figs 1, 2, and 3A*) for conducting business (*transmission of voice and data*) over the public Internet (*network*) by enabling (*enables*) a customer (*user, 34*) of an enterprise communications network to modify the customer's switched voice communications connections within the network over the public Internet and to monitor the results in near real time over the public Internet, the system including a toll free network manager which manages the routing of the customer's toll free voice traffic over the communications network, and a real time monitor which provides near real time monitoring of network traffic, the network manager and the real time monitor responsive to proxy requests from the dispatch server to enable the customer to manage the communications network resources provided by the enterprise to the customer in near real time (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*). Dunn et al fail to teach an object oriented protocol for enabling encrypted

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interactive communications between the system and the customer over the public Internet, the protocol invoked within the customers web browser to support encryption, customer identification, authentication and network entitlements, at least one secure web server for managing secure customer sessions over the public Internet, the secure server providing session management for the customer connection, the session management including customer identification, validation, entitlements and encryption; and at least one dispatch server for communicating with the secure web server and a plurality of system resources, the dispatch server providing verification of system access and proxy generation for the system resources after the customer's entitlements have been verified. However, Dustan et al teach an object oriented protocol for enabling encrypted interactive communications between the system and the customer over the public Internet, the protocol invoked within the customers web browser to support encryption, customer identification, authentication and network entitlements, at least one secure web server for managing secure customer sessions over the public Internet, the secure server providing session management for the customer connection, the session management including customer identification, validation, entitlements and encryption; and at least one dispatch server for communicating with the secure web server and a plurality of system resources, the dispatch server providing verification of system access and proxy generation for the system resources after the customer's entitlements have been verified (*see abstract, column 7 line 64-10 line 29*). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the inventive concept of Dunn et al to include Dustan et al's object oriented protocol for enabling encrypted interactive communications between the system and the customer over the public Internet, the protocol

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invoked within the customers web browser to support encryption, customer identification, authentication and network entitlements, at least one secure web server for managing secure customer sessions over the public Internet, the secure server providing session management for the customer connection, the session management including customer identification, validation, entitlements and encryption; and at least one dispatch server for communicating with the secure web server and a plurality of system resources, the dispatch server providing verification of system access and proxy generation for the system resources after the customer's entitlements have been verified because this would have provide a system with capability to securely access and transmit information from disparate data sources while performing session management including timing session, logging requests and activity, and verifying a session identification number each time a user makes a request using an encrypted session identification number.

18. As per claims 57, Dunn et al teach an integrated and secure system wherein the system further includes a single order entry application as one of the plurality of system resources, wherein the order entry application enables a customer to identify and authenticate a plurality of users with distinct toll free call manager entitlements, and to modify the entitlements from a single point of customer identification and authentication (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

19. As per claims 58, Dunn et al teach an integrated and secure system wherein the system further comprises an E-Billing application which enables electronic business transactions to

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pay for the services, the order entry and E-Billing applications responsive to proxy requests from the dispatch server to enable the customer to manage and pay for the communications network services provided by the enterprise (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

20. As per claims 59, Dunn et al teach an integrated and secure system wherein the system further includes a client view application for generating historical reports of data relating to calls by customers users on the communications network (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

21. As per claims 60, Dunn et al teach an integrated and secure system wherein the system enables invoice generation and electronic payment for pre-selected customer user calls over the public Internet (*see figs, 1, 2, 3A, column 1 lines 65-2 lines 41, 3 lines 26-4 line 28*).

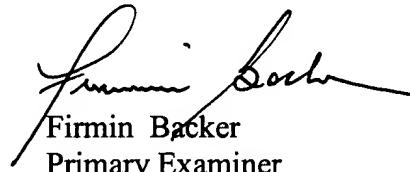
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Firmin Backer whose telephone number is (703) 305-0624. The examiner can normally be reached on Mon-Thu 9:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell can be reached on (703) 305-9768. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Firmin Backer  
Primary Examiner  
Art Unit 3621

April 21, 2004